



Diving Into Science  
End of Book Assessment

Name \_\_\_\_\_

Due date: \_\_\_\_\_ Hour \_\_\_\_\_

Total Score \_\_\_\_\_ / 100 points

Answer each of the following questions typed or written neatly on loose-leaf. Each question should be answered in one paragraph, and vocabulary words need to be underlined. Staple this sheet to your final copy.

1. **Teamwork:** Scientists and designers often work in teams. Think about your teamwork. In what ways did you contribute to your team? What things made working together challenging? What did you learn about working as a team? (at least 1 vocabulary term)

All parts of the question are answered correctly. \_\_\_\_\_ / 10

Vocabulary words are used correctly. \_\_\_\_\_ / 5

The answer is clear and written in complete sentences. \_\_\_\_\_ / 5

Total: \_\_\_\_\_ / 20

2. **Learning from other groups:** What does it take to learn from another group or help another group to learn from yours? How can you make Plan and Solution Briefings work better? (at least 1 vocabulary term)

All parts of the question are answered correctly. \_\_\_\_\_ / 10

Vocabulary words are used correctly. \_\_\_\_\_ / 5

The answer is clear and written in complete sentences. \_\_\_\_\_ / 5

Total: \_\_\_\_\_ / 20

3. **Iteration:** When doing a design challenge, why is iteration important? What happens if your design doesn't work well enough the second time? (at least 1 vocabulary term)

All parts of the question are answered correctly. \_\_\_\_\_ / 10

Vocabulary words are used correctly. \_\_\_\_\_ / 5

The answer is clear and written in complete sentences. \_\_\_\_\_ / 5

Total: \_\_\_\_\_ / 20

4. **Running experiments:** What does it mean to do a fair test? What's hard about doing a fair test? What did you learn about running experiments successfully that you didn't know before? Use two examples from class to illustrate your answer. (at least 2 vocabulary terms)

All parts of the question are answered correctly. \_\_\_\_\_ / 10

Vocabulary words are used correctly. \_\_\_\_\_ / 5

The answer is clear and written in complete sentences. \_\_\_\_\_ / 5

Total: \_\_\_\_\_ / 20

5. **Controlling variables:** What does it mean to control variables? What happens if you don't control important variables? Use two examples from class to illustrate. (at least 2 vocabulary terms)

All parts of the question are answered correctly. \_\_\_\_\_ / 10

Vocabulary words are used correctly. \_\_\_\_\_ / 5

The answer is clear and written in complete sentences. \_\_\_\_\_ / 5

Total: \_\_\_\_\_ / 20